

## MEETING REPORT

Place/Date of Meeting:  
Conference Call  
May 16, 2012, 9:00 a.m. – 9:30 a.m.

Subject:  
LPRSA CSO/SWO Investigation Program  
Organochlorine Pesticide PE Studies  
Follow up Meeting Discussion

Minutes by:  
Diane Waldschmidt, EDS

Issue Date:  
June 21, 2012

Participants:  
ARCADIS, Inc. (ARCADIS)  
CDM Smith

Meredith Hayes  
Scott Kirchner, Sharon Budney,  
Debra Beck  
Diane Waldschmidt, Elise Francken  
Brian Mikucki  
Alice Yeh

Environmental Data Services (EDS)  
Tierra Solutions, Inc. (Tierra)  
U.S. Environmental Protection Agency (USEPA)

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### **INTRODUCTIONS**

Alice Yeh greeted all of the attendees and they introduced themselves. Diane Waldschmidt thanked Alice and the USEPA advisors for their fast response in providing comments to the QAPP Addendum received by Tierra on May 15, 2012. Diane then proceeded to state the objective of the meeting which was to discuss the Combined Sewer Overflow (CSO)/Stormwater Outfall (SWO) Performance Evaluation (PE) study for Organochlorine Pesticides.

### **ORGANOCHLORINE PESTICIDE PE STUDIES**

Diane stated the following issues/concerns that are prevalent with the Organochlorine Pesticide PE sample analysis:

- A. There are only three laboratories in North America that use the USEPA method 1699 for Organochlorine Pesticide analysis. AXYS; Canada, TestAmerica West Sacramento; California, and Vista Analytical; El Dorado Hills, California. This is a limited number of laboratories capable of analyzing Organochlorine Pesticide using USEPA method 1699.
- B. The Organochlorine Pesticide PE sample reference values supplied by the vendor, Sigma-Aldrich Resource Technology Corporation, (RTC) are determined by using USEPA extraction methods 3540/3541 or 3550A followed by USEPA method 8270. The vendor does not use USEPA method 1699 to certify the values.
- C. Some individual constituents that are contained in the PE sample have a tendency to degrade over time and can form a surplus of some compounds and a reduction of other compounds present in the PE sample itself. (Ex. Endrin breaks down to Endrin Aldehyde and Endrin Ketone).

Therefore, when considering the three challenges described above, the objective moving forward is to identify a PE sample for organochlorine pesticides that is analyzed by more than one laboratory, within the same limited time period, utilizing USEPA method 1699, in order to obtain verifiable results.

The discussion continued as follows:

- Diane mentioned that EDS reviewed the Organochlorine Pesticide PE results obtained from the AXYS Labs (March 2012). These results were sent to EDS by Alice Yeh on May 1, 2012 via email. The PE sample vendor used by AXYS was Wibby. AXYS passed the evaluation using USEPA method 1699.
- EDS also reviewed results obtained from Test America, West Sacramento for an alternate Organochlorine Pesticide PE. This PE sample was also prepared by the vendor Wibby. They too, passed for all constituents in the PE sample.
- Elise explained that the two studies could not be compared due to the lot number of the samples being different. She also mentioned that Wibby provides a service called the proficiency testing program. This program allows individual labs to purchase a PE sample and compare to the vendors values for their own evaluation. This proficiency testing is offered on a quarterly basis. Both AXYS and TestAmerica West Sacramento participate in this program.
- EDS proposes that Tierra purchase a Wibby Organochlorine Pesticide PE sample provided we can obtain the same lot number as AXYS and Test America West Sacramento will analyze concurrently. This will allow the team to re-evaluate Vista Analytical lab proficiency as well as compare to the two other labs also utilizing USEPA method 1699.
- Scott Kirchner agreed that this would be a good solution to the current issue. All participants agreed.
- Alice asked Diane about the time line for the re-evaluation as well as how this affects the beginning of the Phase I start.
- Diane explained that Tierra would need to purchase the PE sample and ship blindly to Vista as soon as possible while the quarterly study by Wibby is being conducted. This will ensure that Vista will have the same lot number as AXYS and TestAmerica West Sacramento.
- Scott volunteered to find the lot number of the Organochlorine Pesticide PE sample from Wibby that AXYS is currently analyzing.
- EDS agreed to contact Wibby to inquire about the closing date of the current Organochlorine pesticide study and also confirm that the same lot number used by the AXYS and TestAmerica West Sacramento is still available.
- Diane explained that if all goes as planned, and Vista receives the PE sample by the end of May, results for the sample should be reported to EDS by the end of June. If acceptable results are obtained, no delays for the start of Phase I.
- EDS estimates the middle of July for the Organochlorine Pesticide study to be complete including a summary report.

- Meredith Hayes provided an update regarding the sampling trailer construction. Meredith indicated that the start of the first sampling event is anticipated to be middle of August pending weather.
- Scott asked Meredith if a trial run would be conducted.
- Meredith explained that a trial run was planned and will be scheduled to be preformed after the sampling trailer construction is complete. This will probably occur in August. Meredith mentioned that there is a one week lag time between the trailer construction completion and the start of the sampling. The trial run is planned to occur during this period.
- Diane mentioned that this trial run will also include the sampling and transporting of the bulk material to the laboratory for separation into the LSM dissolved and the LSM particulate. Actual analyses will not be preformed.
- Alice asked for an update about the site reconnaissance.
- Meredith replied that everything is on schedule concerning the site reconnaissance.

### **ACTION ITEMS – TIERRA**

#### **1. PE Study-Organochlorine Pesticides:**

- EDS will follow up with Tierra on a work order change for the additional funding needed to purchase Wibby Organochlorine Pesticide PE sample.
- EDS will purchase the Wibby Organochlorine Pesticide PE sample (as long as the lot numbers are the same as AXYS and TestAmerica West Sacramento's Organochlorine Pesticide PE sample) to be distribute to Vista Analytical by the end of May.
- EDS will send Vista the Organochlorine Pesticide PE.

### **ACTION ITEMS – USEPA**

#### **1. PE Study- Organochlorine Pesticides:**

- Scott will contact AXYS Laboratory to identify the lot number of the current Wibby Organochlorine Pesticide PE sample being analyzed.
- USEPA will contact EDS to provide the Wibby Organochlorine Pesticide PE lot number currently being analyzed by AXYS.

### **NEXT STEPS**

- EDS will evaluate and report the results to the USEPA for the Organochlorine Pesticide PE sample by mid July.